

May 4, 2006

Mr. Floyd Wiggins
Wiggins Enterprises, Inc.
1370 Airport Boulevard
Santa Rosa, CA 95403

**Re: Groundwater Monitoring and Sampling Report – First Quarter 2006, Wiggins Property,
3454 Santa Rosa Avenue, Santa Rosa, California, SCDHS-EHD Site # 00001849,
NCRWQCB Site # 1TSR007**

Dear Mr. Wiggins:

This report presents the results of Winzler & Kelly Consulting Engineers' (Winzler & Kelly's) groundwater monitoring and sampling activities performed on February 7, 2006, and an update of the ozone system operation, at 3454 Santa Rosa Avenue (site), Santa Rosa, California (Figures 1 and 2). Winzler & Kelly performed the work in accordance with the April 18, 2005 letter from the Sonoma County Department of Health Services, Environmental Health Division (SCDHS-EHD), which requested quarterly monitoring and sampling of monitoring wells in addition to sampling of domestic wells located in the vicinity of the site.

FIRST QUARTER 2006 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

The Site-Specific Sampling Procedures, provided in Appendix A, describe in detail all of the monitoring and sampling activities that were performed at the site on February 7, 2006. A brief summary of these activities is also provided below.

- Personnel Present:*** Winzler & Kelly's technicians, Pon Xayasaeng and Brian Bacciarini, performed the groundwater monitoring and sampling activities.
- Dissolved Oxygen:*** A calibrated dissolved oxygen (DO) meter was used to measure the concentrations of DO in monitoring wells MW-5 through MW-12 while the ozone system was operating.
- Depth-to-Water:*** An electronic water level meter was used to measure the depth-to-groundwater (DTW) in each monitoring well while the ozone system was operating. DTW was measured in each well after allowing the groundwater to equilibrate for approximately 30 minutes.
- Purging:*** An electronic 12-volt submersible pump was used to purge monitoring wells MW-5 and MW-8 through MW-12 until the indicator parameters stabilized.

Mr. Floyd Wiggins
May 4, 2006
Page 2

Domestic wells were purged by running the tap closest to the well system's pressure tank until the well pump switched on.

Monitoring Well Sampling: Groundwater samples were collected from monitoring wells MW-5 and MW-8 through MW-12. New disposable bailers were used to collect and transfer the groundwater samples from each monitoring well into the appropriate, laboratory-supplied, certified clean sample containers.

Domestic Well Sampling: Prior to collecting groundwater samples from the domestic wells, well owners were notified of the sampling event. Groundwater samples were collected from the domestic wells located at 3415 (DW-3415), 3450 (DW-3450), 3455 (DW-3455), and 3521 (DW-3521) Santa Rosa Avenue.

Chemical Analysis: Analytical Sciences Laboratory (Analytical Sciences) of Petaluma, California (a California-certified laboratory) analyzed each of the groundwater samples collected from the monitoring wells for total petroleum hydrocarbons as gasoline (TPH-G), as diesel (TPH-D), and as motor oil (TPH-MO) by EPA Method 8015M, and for benzene, toluene, ethyl benzene, and total xylenes (BTEX), acetone, and oxygenated fuel additives by EPA Method 8260B.

Groundwater samples collected from the domestic wells were analyzed for TPH-G, BTEX, and oxygenated fuel additives.

As part of the ozone remediation monitoring, specific groundwater samples were analyzed for hexavalent chromium (Cr^{+6}) by EPA Method 7196A, for bromate (BrO_3^{-1}) and bromide (Br^{-1}) by EPA Method 300 (IC), and for molybdenum (Mo), selenium (Se), and vanadium (V) by EPA Method 6010B.

GROUNDWATER MONITORING AND SAMPLING RESULTS – FEBRUARY 7, 2006

The groundwater elevation data at the site is summarized in Table 1. The historic groundwater gradient and flow direction is presented on Table 2. A groundwater elevation map is provided as Figure 3. As mentioned in Winzler & Kelly's March 10, 2006 *Annual Groundwater Monitoring and Sampling Report Including Fourth Quarter 2005*, when the groundwater is aerated, the density of groundwater decreases from 1.0 g/cm^3 to less than 1.0 g/cm^3 ; therefore, the groundwater flow direction cannot be calculated. The groundwater elevation anomaly is not mounding, but is a result of less dense groundwater produced by intermittent ozone and air injections. Historically, the groundwater flow is towards the southeast.

On February 7, 2006, DO concentrations measurements ranged from 1.57 to 14.94 mg/L. The highest DO concentration was detected in MW-10 at 14.94 mg/L. DO is a byproduct of the ozonation process, which aids in the degradation of petroleum hydrocarbons. The DO results are summarized in Table 3.

Mr. Floyd Wiggins

May 4, 2006

Page 3

During purging activities, the parameters of pH, conductivity, temperature, and oxidation-reduction potential were monitored in the groundwater extracted from the wells. A summary of these indicator parameters is provided in Table 3. In addition to monitoring these parameters, MW-10 was monitored for the presence of free product using a clear PVC bailer. Droplets of free product were detected during visual inspection and most likely due to the seasonal high water level contacting any residual hydrocarbons that may be present in the vadose zone. The hydrocarbon adsorbent-hydrophobic sock was removed from MW-10 and weighed. Approximately 13 ounces of free product was quantified from MW-10. After purging and sampling, a new hydrocarbon adsorbent-hydrophobic sock was installed in MW-10. A measurable quantity of free product was not detected in any of the other monitoring wells that were sampled.

Laboratory analysis of the groundwater samples collected from monitoring wells MW-8, MW-9, MW-11, MW-12, and the domestic wells did not quantify any petroleum-related constituents above the laboratory's reportable detection limits (RDLs). Only the groundwater samples collected from monitoring wells MW-5 and MW-10 reported petroleum-related constituents above the laboratory's RDLs. The detections of TPH-G in MW-5 at 280 µg/L and MW-10 at 7,600 µg/L during the February 7, 2006 sampling event, are generally decreasing compared to historic sampling events. TPH-D was reported only in MW-10 at a concentration of 77,000 µg/L. TPH-D concentrations in MW-10 may be the result of droplets of product being incorporated into the analyzer by the laboratory.

The analytical results of the groundwater samples are summarized in Table 4. Figure 4 depicts the concentrations of TPH-G, benzene, and methyl-tert butyl ether (MTBE) in the groundwater samples collected from the monitoring wells on February 7, 2006.

Additionally, groundwater samples collected from monitoring wells MW-5 and MW-8 through MW-12 were analyzed for ozonation process by-product related constituents (Cr^{+6} , BrO_3^{-1} , Mo, Se, and V). Analytical results did not quantify any of these constituents above the laboratory's RDLs. Table 5 presents the analytical results of the ozone sparging parameters.

Acetone was not detected above the laboratory's RDLs in any of the groundwater samples. Bromide was reported in the specific wells sampled (MW-5 and MW-8 through MW-12). As mentioned in Winzler & Kelly's November 9, 2005 *Quarterly Groundwater Monitoring and Sampling Report – Third Quarter 2005*, bromide is commonly found in groundwater and is not a by-product of the ozonation process.

The laboratory QA/QC included the use of method blanks to exclude false-positive analyses and the use of laboratory control samples to evaluate the percentage recovery of known analyte spikes. The recovery percentages for each of the sample analytes were within acceptable ranges. The complete laboratory reports, QA/QC data, and the chain-of-custody form are included in Appendix B.

REMEDIAL SYSTEM UPDATE

As of March 9, 2006, the ozone system has been operating for approximately 252 days. The current total ozone injection rate at the site is approximately 1.4 lbs/day; therefore, a total of 353 lbs of ozone has been injected at the site as of March 9, 2006. Based on the February 7, 2006 analytical results, sparge point SP-7 was deactivated and SP-9 was activated on March 9, 2006. The table below shows operating dates for each sparge point.

Mr. Floyd Wiggins
May 4, 2006
Page 4

Sparge Point ID	Operating Dates	Sparge Point ID	Operating Dates
SP-1	6/7/05-Present	SP-7	12/15/05-3/9/06
SP-2	6/7/05-12/15/05	SP-8	6/7/05-Present
SP-3	6/7/05-Present	SP-9	3/9/06-Present
SP-4	6/7/05-Present	SP-10	6/7/05-Present
SP-5	6/7/05-Present	SP-11	Never Operated
SP-6	6/7/05-Present	SP-12	Never Operated

GEOTRACKER DATA ENTRY

As required by Assembly Bill AB2886, Winzler & Kelly has uploaded the *Annual Groundwater Monitoring and Sampling Report Including Fourth Quarter 2005*, the fourth quarter 2005 analytical EDF report, and the first quarter 2006 groundwater well measurement file and analytical EDF report to the GeoTracker database. Upload verification forms are included in Appendix C. Winzler & Kelly will submit this report to the GeoTracker database upon completion.


CONCLUSIONS AND RECOMMENDATIONS

Petroleum hydrocarbon constituents were only detected in monitoring wells MW-5 and MW-10 and consistent with historic data, higher concentrations were quantified in MW-10. TPH-G concentrations in these wells are generally decreasing since the installation and start-up of the ozone system (June 7, 2005). TPH-D was only detected in MW-10 and concentrations show an increase compared to previous sampling results. This increase is expected because agitation from the ozone/air injections in combination with high water levels has desorbed residual TPH-D in the vadose zone. Once TPH-G concentrations have significantly been reduced, TPH-D concentrations are expected to also decline.


Winzler & Kelly recommends the continuation of quarterly groundwater monitoring and sampling at the site. The second quarter 2006 groundwater monitoring event is schedule for in May 2006.

Should you have any questions or comments regarding this project, please contact David Vossler, Project Manager, at (707) 523-1010.

Sincerely,
WINZLER & KELLY



Pon Xayasaeng
Environmental Engineer



Kent O'Brien, PG, CEG
Senior Project Geologist



Mr. Floyd Wiggins

May 4, 2006

Page 5

Attachments

Figures:

Figure 1 – Location Map

Figure 2 – Site Map

Figure 3 – Groundwater Elevation Map

Figure 4 – Petroleum Hydrocarbons in Groundwater

Tables:

Table 1 – Water Level Data

Table 2 – Groundwater Gradient and Flow Direction

Table 3 – Indicator Parameters

Table 4 – Analytical Results of Groundwater Samples

Table 5 – Additional Groundwater Analytical Results

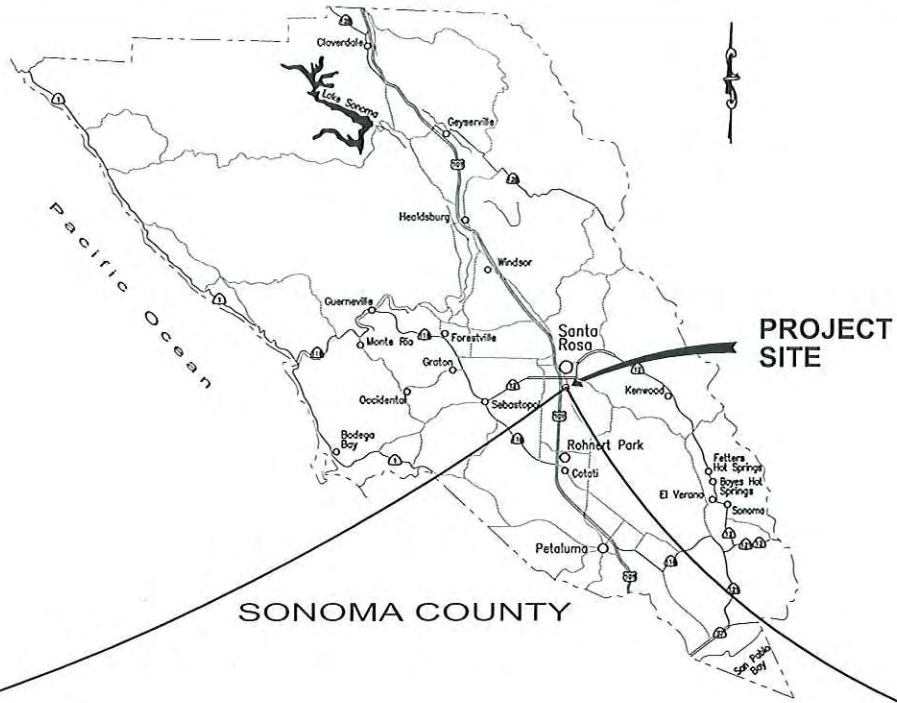
Appendices:

Appendix A – Site-Specific Sampling Procedures

Appendix B – Analytical Laboratory Report

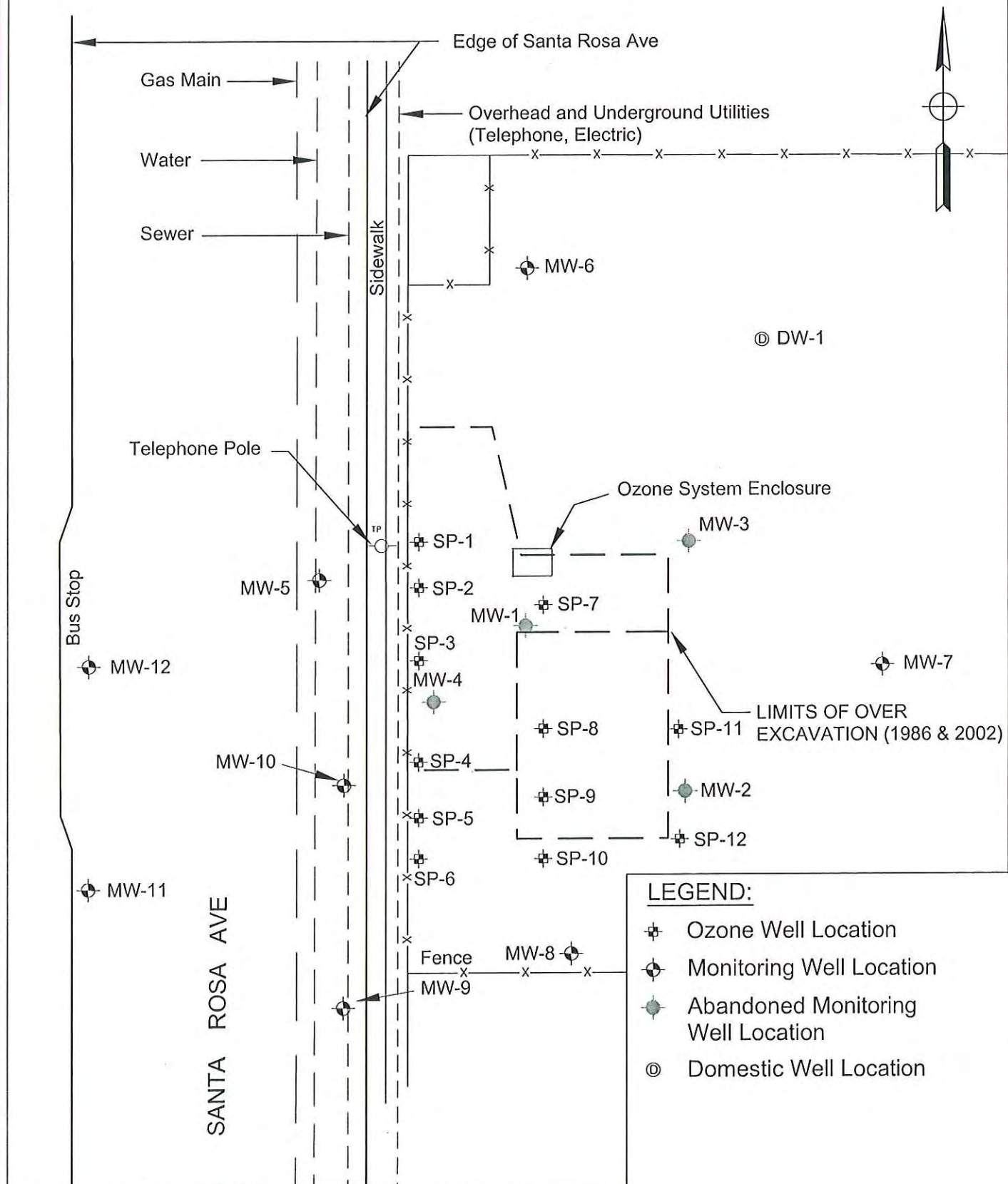
Appendix C – GeoTracker Upload Verifications

c: Mr. Cliff Ives, Sonoma County Department of Health Services, Environmental Health Division,
475 Aviation Boulevard, Suite 220, Santa Rosa, CA 95403



WIGGINS PROPERTY
3454 Santa Rosa Ave
Santa Rosa, California

LOCATION MAP
FIGURE 1



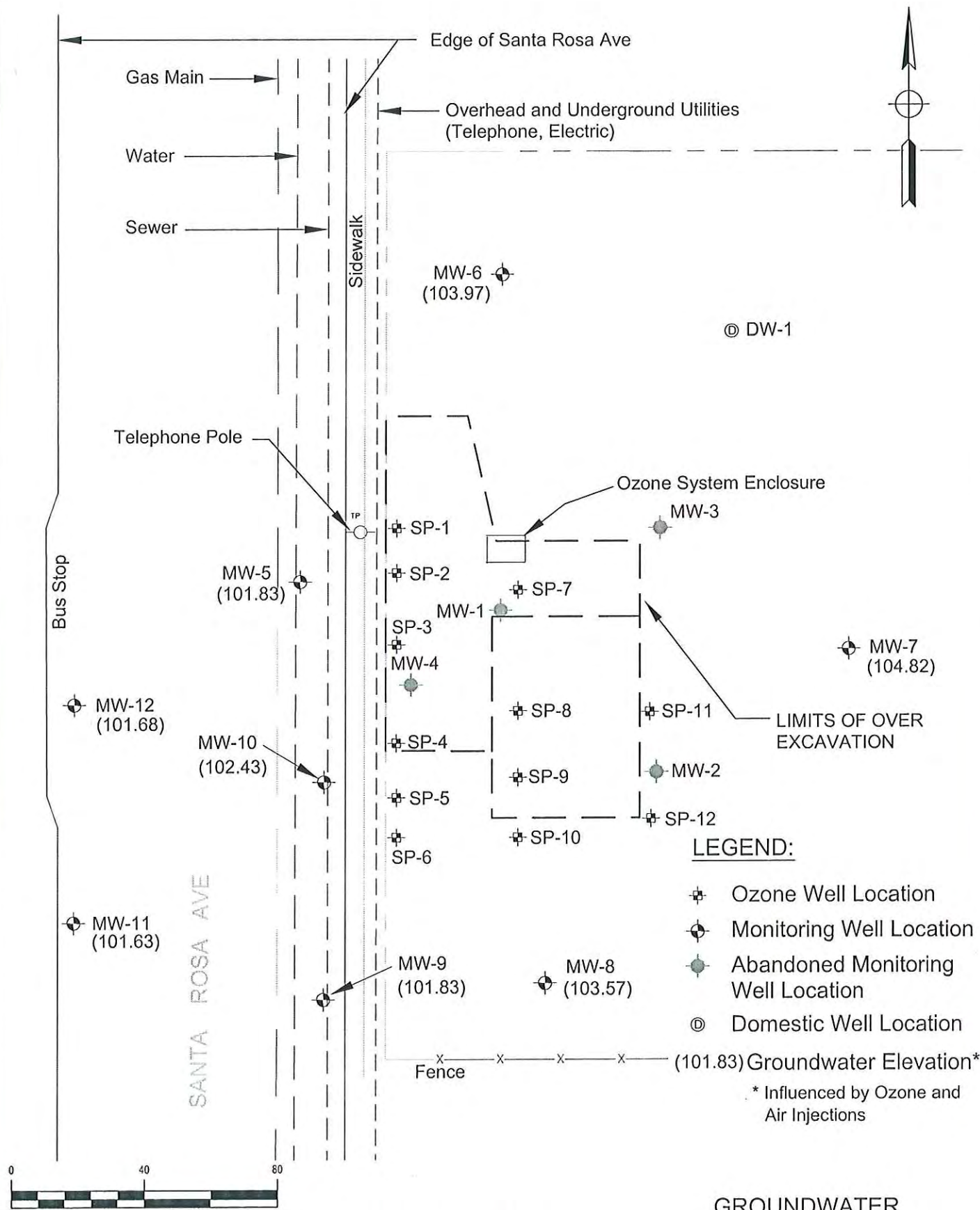
LEGEND:

- ⊕ Ozone Well Location
- ⊙ Monitoring Well Location
- ⊙ Abandoned Monitoring Well Location
- ⊙ Domestic Well Location

Scale: 1"=40'

WIGGINS PROPERTY
3454 Santa Rosa Ave
Santa Rosa, California

SITE MAP
FIGURE 2



WIGGINS PROPERTY
3454 Santa Rosa Ave
Santa Rosa, California

GROUNDWATER
ELEVATION MAP
February 7, 2006
FIGURE 3

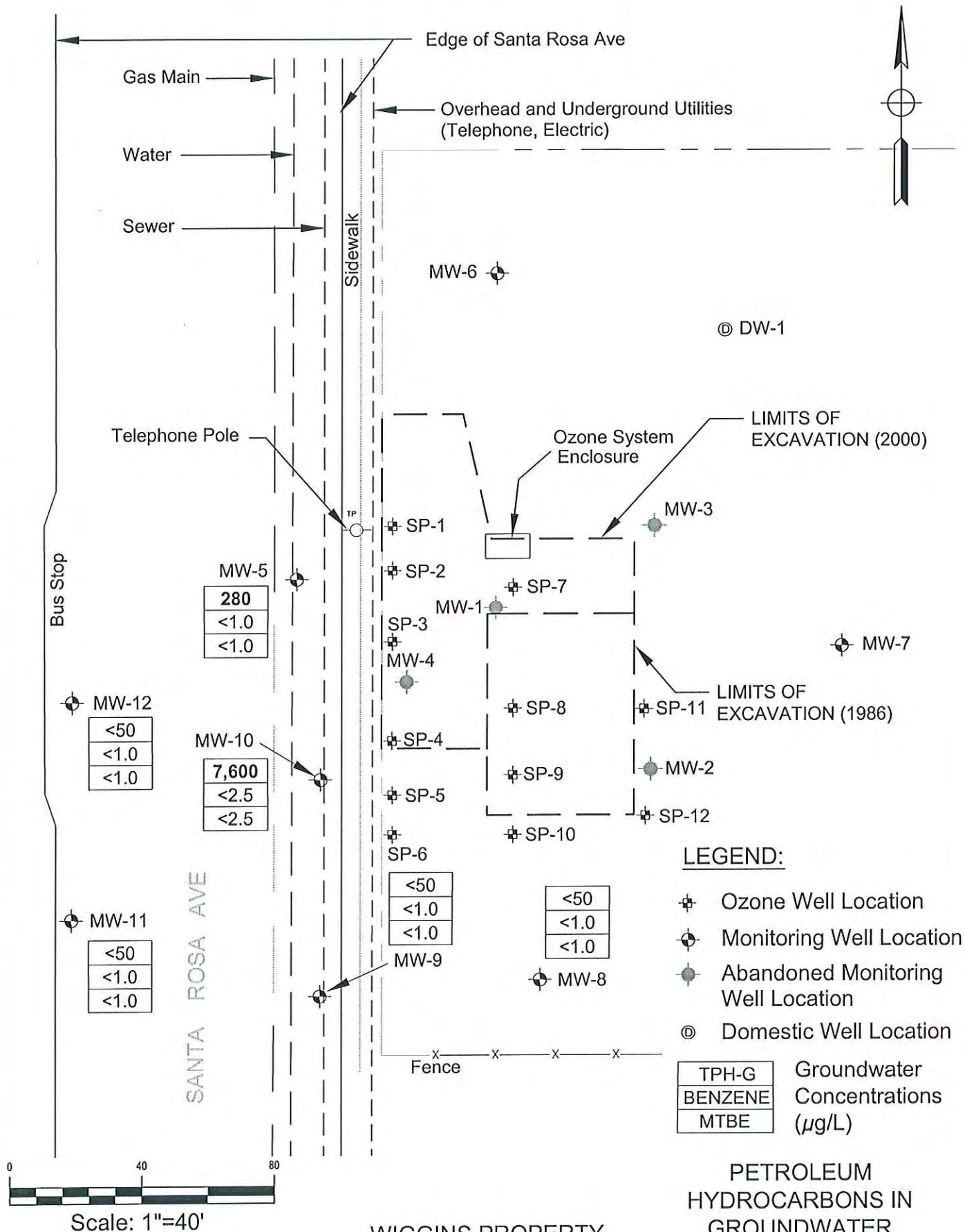


Table 1. Water Level Data

Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
		MSL	feet bgs		feet			
MW-1 THROUGH MW-4 HAVE BEEN ABANDONED								
MW-5	02/02-12/18/00	Inaccessible		105.89	---	5'-20'	4'-21.5'	0'-4'
	03/08/01*	101.28	4.61		---			
	04/05/01*	99.28	6.61		---			
	07/06/01*	94.89	11.00		---			
	10/08/01*	91.92	13.97		---			
	1/15/02*	101.28	4.61		---			
	04/08/02*	99.78	6.11		---			
	08/15/02*	94.59	11.30		---			
	11/26/02*	95.23	10.66		---			
	02/26/03*	100.91	4.98		---			
	05/20/03*	100.73	5.16		---			
	09/24/03*	95.22	10.67		---			
	04/29/04	99.64	6.25		--- ^a			
	07/29/04	96.64	9.25		--- ^a			
	03/02/05	102.34	3.55		--- ^a			
	05/12/05	101.88	4.01		--- ^a			
	8/9/05†	98.63	7.26		--- ^a			
	11/21/05	97.63	8.26		--- ^a			
02/07/06	101.83	4.06	--- ^a					
MW-6	02/02/00*	101.29	5.19	106.48	---	5'-20'	4'-21.5'	0'-4'
	05/04/00*	101.47	5.01		---			
	08/03/00*	96.97	9.51		---			
	12/18/00*	96.17	10.31		---			
	03/08/01*	102.17	4.31		---			
	04/05/01*	101.49	4.99		---			
	07/06/01*	97.29	9.19		---			
	10/08/01*	94.22	12.26		---			
	01/15/02*	103.52	2.96		---			
	04/08/02*	101.65	4.83		---			
	08/15/02*	96.61	9.87		---			
	11/26/02*	96.04	10.44		---			
	02/26/03*	102.76	3.72		---			
	05/20/03*	101.90	4.58		---			
	09/24/03*	96.87	9.61		---			
	04/29/04	100.72	5.76		--- ^a			
	07/29/04	97.57	8.91		--- ^a			
	03/02/05	105.03	1.45		--- ^a			
	05/12/05	103.27	3.21		--- ^a			
	8/9/05†	99.68	6.80		--- ^a			
	11/21/05	98.08	8.40		--- ^a			
	02/07/06	103.97	2.51		--- ^a			

Table 1. Water Level Data
Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
		MSL	feet bgs		feet			
MW-7	02/02/00*	97.37	8.91	106.28	---	5'-20'	6'-21.0'	0'-4'
	05/04/00*	100.99	5.29		---			
	08/03/00*	96.35	9.93		---			
	04/05/01*	100.92	5.36		---			
	07/06/01*	96.68	9.60		---			
	10/08/01*	93.98	12.30		---			
	01/15/02*	103.63	2.65		---			
	04/08/02*	101.87	4.41		---			
	08/15/02*	96.19	10.09		---			
	11/26/02*	94.83	11.45		---			
	02/26/03*	103.40	2.88		---			
	05/20/03*	102.06	4.22		---			
	09/24/03*	96.28	10.00		---			
	04/29/04	100.55	5.73		--- ^a			
	07/29/04	97.05	9.23		--- ^a			
	03/02/05	104.78	1.50		--- ^a			
	05/12/05	103.61	2.67		--- ^a			
	8/9/05†	99.09	7.19		--- ^a			
	11/21/05	97.12	9.16		--- ^a			
	02/07/06	104.82	1.46		--- ^a			
MW-8	02/02/00*	100.29	6.05	106.34	---	5'-20'	4'-21.0'	0'-4'
	05/04/00*	99.69	6.65		---			
	08/03/00*	94.96	11.38		---			
	12/18/00*	95.38	10.96		---			
	03/08/01*	102.50	3.84		---			
	04/05/01*	99.60	6.74		---			
	07/06/01*	94.95	11.39		---			
	10/08/01*	91.96	14.38		---			
	01/15/02*	102.56	3.78		---			
	04/08/02*	100.39	5.95		---			
	08/15/02*	94.61	11.73		---			
	11/26/02*	95.07	11.27		---			
	02/26/03*	102.78	3.56		---			
	05/20/03*	100.93	5.41		---			
	09/24/03*	95.19	11.15		---			
	03/02/05	104.10	2.24		--- ^a			
	05/12/05	102.78	3.56		--- ^a			
	8/9/05†	98.55	7.79		--- ^a			
	11/21/05	97.06	9.28		--- ^a			
	02/07/06	103.57	2.77		--- ^a			
MW-9	08/15/02*	94.54	11.20	105.74	---	5'-20'	4'-20'	0'-4'
	11/26/02*	95.10	10.64		---			
	02/26/03*	101.03	4.71		---			
	05/20/03*	100.69	5.05		---			
	09/24/03*	95.13	10.61		---			
	04/29/04	99.67	6.07		--- ^a			
	07/29/04	96.57	9.17		--- ^a			
	03/02/05	102.18	3.56		--- ^a			
	05/12/05	101.69	4.05		--- ^a			
	8/9/05†	98.57	7.17		--- ^a			
	11/21/05	97.62	8.12		--- ^a			
	02/07/06	101.83	3.91		--- ^a			

Table 1. Water Level Data
Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
		MSL	feet bgs		feet			
MW-10	08/15/02*	94.56	11.30	105.86	---	5'-20'	4'-20'	0'-4'
	11/26/02*	95.16	10.70		---			
	2/26/03*	100.89	4.97		---			
	5/20/03*	98.40	7.46		---			
	9/24/03*	95.19	10.67		---			
	04/29/04	---	--- ^b		0.05			
	07/29/04	---	--- ^b		0.15			
	03/02/05	---	--- ^b		0.02			
	5/12/2005 ^c	101.92	3.94		<0.02			
	8/9/05† ^c	98.55	7.31		--- ^d			
	11/21/05	97.63	8.23		--- ^d			
	02/07/06	102.43	3.43		Droplets			
MW-11	08/15/02*	94.53	11.17	105.70	---	5'-20'	4'-20'	0'-4'
	11/26/02*	95.13	10.57		---			
	02/26/03*	100.85	4.85		---			
	05/20/03*	100.66	5.04		---			
	09/24/03*	95.14	10.56		---			
	04/29/04	99.59	6.11		--- ^a			
	07/29/04	96.60	9.10		--- ^a			
	03/02/05	102.21	3.49		--- ^a			
	05/12/05	101.76	3.94		--- ^a			
	8/9/05†	98.56	7.14		--- ^a			
	11/21/05	97.63	8.07		--- ^a			
	02/07/06	101.63	4.07		--- ^a			
MW-12	08/15/02*	94.55	11.28	105.83	---	5'-20'	4'-20'	0'-4'
	11/26/02*	95.17	10.66		---			
	02/26/03*	100.87	4.96		---			
	05/20/03*	100.65	5.18		---			
	09/24/03*	95.15	10.68		---			
	04/29/04	99.57	6.26		--- ^a			
	07/29/04	96.59	9.24		--- ^a			
	03/02/05	102.21	3.62		--- ^a			
	05/12/05	101.78	4.05		--- ^a			
	8/9/05†	98.49	7.34		--- ^a			
	11/21/05	97.55	8.28		--- ^a			
	02/07/06	101.68	4.15		--- ^a			

Abbreviations:

MSL = Mean Sea Level

bgs = Below Ground Surface

--- = Not Measured

* = Historical data collected other consultants, not verified by Winzler & Kelly

† = The ozone system was started-up on June 7, 2005

a = Free Product Not Present

b = Free Product Present

c = Depth-to-water measured using free product interface meter

Table 2. Groundwater Gradient and Flow Direction

Wiggins Property
3454 Santa Rosa Ave, Santa Rosa, CA

Date	Groundwater Gradient (ft/ft)	Flow Direction	Wells Used for Calculating Gradient and Flow Direction
04/29/04	0.01	Southwest	MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12
07/29/04	0.01	Southwest	MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12
03/02/05	0.02	Southwest	MW-5, MW-6, MW-7, MW-8, MW-9, MW-11, MW-12
05/12/05	0.01	Southwest	MW-5, MW-6, MW-7, MW-8, MW-9, MW-11, MW-12
08/09/05	0.01	Southwest	MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12
11/21/05	---*	---*	---*
02/07/06	---*	---*	---*

Notes:

* = Potentialmetric surface is influenced by ozone and air injections therefore groundwater gradient and flow direction can not be determine.

Table 3. Indicator Parameters
Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Sample Date	pH	Temperature (°F)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)
MW-1 THROUGH MW-4 HAVE BEEN ABANDONED						
MW-5	04/29/04	6.63	67.28	1317	-38	NM
	07/29/04	6.52	68.90	1265	-101	NM
	03/02/05	6.65	67.64	1416	-14	0.66
	05/12/05	6.65	66.20	1060	144	0.25
	08/09/05†	6.65	69.62	1336	-74	0.34
	11/21/05	7.55	70.70	1330	180	1.05
	02/07/06	6.72	68.00	1386	-1	1.57
MW-6	04/29/04	6.42	67.82	778	180	NM
	07/29/04	--	--	--	--	NM
	03/02/05	--	--	--	--	0.70
	05/12/05	--	--	--	--	0.69
	08/09/05†	--	--	--	--	0.31
	11/21/05	6.42	70.52	766	190	1.06
	02/07/06	--	--	--	--	2.64
MW-7	04/29/04	6.67	61.70	780	215	NM
	07/29/04	--	--	--	--	3.45
	05/12/05	--	--	--	--	1.37
	08/09/05†	--	--	--	--	0.97
	11/21/05	7.03	63.86	1007	182	1.53
	02/07/06	--	--	--	--	3.50
MW-8	04/29/04	6.36	59.72	332	-51	NM
	07/29/04	--	--	--	--	NM
	03/02/05	--	--	--	--	3.05
	05/12/05	6.52	59.36	345	-34	0.22
	08/09/05†	6.59	61.70	387	-76	0.57
	11/21/05	7.01	62.78	431	-52	1.30
	02/07/06	6.64	59.54	426	111	1.91
MW-9	04/29/04	6.81	66.20	443	186	NM
	07/29/04	6.76	66.70	721	199	NM
	03/02/05	6.76	65.30	939	285	1.69
	05/12/05	6.63	68.00	1466	-53	2.41
	08/09/05†	7.07	68.36	704	82	1.01
	11/21/05	7.23	68.18	605	219	1.99
	02/07/06	6.72	65.66	1073	149	1.67
MW-10	04/29/04	--	--	--	--	NM
	07/29/04	--	--	--	--	NM
	03/02/05	--	--	--	--	NM
	05/12/05	6.59	67.64	973	-82	NM
	08/09/05†	6.81	70.88	894	-42	17.20
	11/21/05	7.29	71.42	947	210	8.30
	02/07/06	6.79	68.36	878	-25	14.94
MW-11	04/29/04	6.84	67.46	867	155	NM
	07/29/04	6.74	67.46	759	194	NM
	03/02/05	6.81	67.46	862	233	0.34
	05/12/05	6.83	67.28	804	117	0.43
	08/09/05†	7.03	68.54	790	50	0.52
	11/21/05	7.14	69.26	763	203	1.34
	02/07/06	6.90	67.82	806	116	1.73

Table 3. Indicator Parameters

Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Sample Date	pH	Temperature (°F)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)
MW-12	04/29/04	6.98	69.62	849	142	NM
	07/29/04	6.85	68.00	881	188	NM
	03/02/05	6.90	68.00	817	229	0.76
	05/12/05	6.95	67.46	772	106	0.35
	08/09/05†	7.14	68.72	809	37	0.35
	11/21/05	7.13	69.80	846	147	1.13
	02/07/06	7.01	68.00	757	123	1.79

Abbreviations:

°F = degrees Fahrenheit
uS/cm = microSiemens per centimeter
ORP = Oxidation Reduction Potential
mV = milliVolts
DO = Dissolved Oxygen
mg/L = milligrams per liter
NM = Not Measured
-- = Not Sampled
† = The ozone system was started-up on June 7, 2005

Table 4. Analytical Results of Groundwater Samples

Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Date Sampled	TPH-G	TPH-D	TPH-MO	B	T	E	X	EDB	EDC	TBA	MTBE	DIPE	ETBE	TAME	TOG
ug/L																mg/L
MW-1 through MW-4 have been abandoned.																
MW-5	02/02/00-12/18/00* Inaccessible; well box full of sand and mud.															
	03/08/01* Unable to collect sample; PVC casing was clogged.															
	04/05/01*	3,300	170	290	550	11	56	30	ND	ND	21	<0.5	ND	ND	ND	ND
	07/06/01*	6,800	330	250	1,700	37	130	71	ND	1.8	53	<0.5	ND	ND	ND	<5.0
	10/08/01*	6,000	550	270	1,400	8.4	88	63	<10	<10	640	<10	ND	ND	ND	<5.0
	01/15/02*	7,800	350	420	2,000	62	170	120	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	04/08/02*	1,800	250 ^a	<200	1,300	4.4	99	6.4	ND	4.6	ND	<1.0	1.5	ND	ND	<1.0
	08/15/02*	2,100	210**	<100	68	0.42	19	6.2	ND	3.4	68	<0.5	0.88	ND	ND	<5.0
	11/26/02*	2,200	150**	<100	13	0.80	25	13	ND	2.5	71	3.3	ND	ND	ND	<5.0
	02/26/03*	1,100	99 ^a	<200	4.5	<1.0	29	<1.0	<1.0	3.0	84	<1.0	1.2	<1.0	<1.0	<1.0
	05/20/03*	660	120 ^a	<200	<1.0	<1.0	2.1	<1.0	<1.0	2.9	<25	<1.0	1.3	<1.0	<1.0	<1.0
	09/24/03*	1,300	180 ^a	<200	15.0	<1.0	20	11	<1.0	2.5	<25	<1.0	<1.0	<1.0	<1.0	2.0
	04/29/04	870	57 ^a	<200	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	1,100	95 ^a	<200	4.8	<1.0	3.7	1.6	<1.0	1.8	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	750	<50	<200	8.3	1.7	6.6	26	<1.0	1.2	46	<1.0	<1.0	<1.0	<1.0	<1.0 ^b
	05/12/05	320	54	<200	<1.0 ^c	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	08/09/05†	960	86	<200	3.7	<1.0	1.5	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/05 ^f	690	71 ^a	<200	1.9	<1.0	<1.0	<1.0	---	---	34	<1.0	<1.0	<1.0	<1.0	<0.5
	02/07/06	280	<50	<200	<1.0	<1.0	1.3	2.6	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
MW-6	Analytical results from 3/8/00 till 8/3/00 did not quantify petroleum related constituents above the laboratory's reportable detection limits.*															
	12/18/00*	ND	120	---	ND	ND	ND	ND	---	---	ND	ND	ND	ND	ND	---
	03/08/01*	ND	ND	---	ND	ND	ND	ND	---	---	ND	ND	ND	ND	ND	---
	07/06/01*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	10/08/01*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	01/15/02*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	04/08/02*	<50	<50	<200	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	08/15/02*	<50	<50	<100	<0.3	<0.3	<0.5	0.80	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	11/26/02*	<50	<50	<100	<0.3	<0.3	<0.5	0.98	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	02/26/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	05/20/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	09/24/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	04/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	11/21/05†	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
MW-7	02/02/00*	ND	ND	---	ND	ND	ND	ND	---	---	ND	ND	ND	ND	ND	---
	05/04/00*	ND	ND	---	ND	ND	ND	ND	---	---	ND	8.8	ND	ND	ND	---
	08/03/00*	ND	ND	---	ND	ND	ND	ND	---	---	ND	2.0	ND	ND	ND	---
	12/18/00-03/08/01* Inaccessible; well covered with standing water.															
	04/05/01*	ND	ND	ND	0.88	0.41	1.5	4.0	ND	ND	ND	4.4	ND	ND	ND	ND
	07/06/01*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	1.9	<0.5	<0.5	<0.5	<5.0
	10/08/01*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	1.1	<0.5	<0.5	<0.5	<5.0
	01/15/02*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	2.7	<0.5	<0.5	<0.5	<5.0
	Analytical results from 4/8/02 till 9/24/03 did not quantify petroleum related constituents above the laboratory's reportable detection limits.*															
	04/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	11/21/05†	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
MW-8	Analytical results from 02/02/00 till 05/04/00 did not quantify petroleum related constituents above the laboratory's reportable detection limits.*															
	08/03/00*	50	ND	---	ND	ND	ND	ND	---	---	ND	ND	ND	ND	ND	---
	12/18/00*	<50	ND	---	ND	ND	ND	ND	---	---	ND	ND	ND	ND	ND	---
	03/08/01*	<50	ND	---	ND	ND	ND	ND	---	---	ND	ND	ND	ND	ND	---
	07/06/01*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	10/08/01*	<50	71	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	01/15/02*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	04/08/02*	<50	<50	<200	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	08/15/02*	<50	97	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	11/26/02*	<50	54	<100	<0.3	<0.3	0.83	1.7	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<5.0
	02/26/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	05/20/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	09/24/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	04/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/02/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/12/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	08/09/05†	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<0.5
	02/07/06	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---

Table 4. Analytical Results of Groundwater Samples

Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Date Sampled	TPH-G	TPH-D	TPH-MO	B	T	E	X	EDB	EDC	TBA	MTBE	DIPE	ETBE	TAME	TOG
ug/L																mg/L
MW-9	08/15/02*	<50	84	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	---
	11/26/02*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	---	---	<10	<0.5	<0.5	<0.5	<0.5	---
	02/26/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	05/20/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	09/24/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	04/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	<50	<50	<200	<1.0	5.5	2.0	9.8	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	05/12/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	08/09/05†	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<0.5
	02/07/06	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
MW-10	08/15/02*	32,000	43,000	<1,200	330	460	1,700	4,900	<50	<50	<1,000	<50	<50	<50	<50	---
	11/26/02*	31,000	19,000	230 ^d	190	220	1,300	3,400	---	---	<100	<5.0	<5.0	<5.0	<5.0	---
	02/26/03*	20,000	19,000 ^d	<2,000	110	140	640	1,370	---	---	<250	<10	<10	<10	<10	---
	05/20/03*	17,000	<50	<200	98	100	670	1,450	---	---	<250	<10	<10	<10	<10	---
	09/24/03*	22,000	free product	<20,000	87	99	680	1,560	---	---	<250	<10	<10	<10	<10	---
	04/29/04	Approximately 0.05 feet of free product present.														
	07/29/04	Approximately 0.15 feet of free product present.														
	03/02/05	Approximately 0.02 feet of free product present.														
	05/12/05	8,800	8,000 ^d	<200	55	17	310	426	---	---	<250	<10	<10	<10	<10	---
	08/09/05†	43,000	10,000	<1,000	48	37	260	573	---	---	<500	<20	<20	<20	<20	150
	11/21/05	6,500	29,000	<2,000	<10	<10	71	236	---	---	<250	<10	<10	<10	<10	42
	02/07/06	7,600	77,000	<2,000	<2.5	<2.5	20	77.9	---	---	<62	<2.5	<2.5	<2.5	<2.5	---
MW-11	08/15/02*	<50	120**	<110	0.42	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	---
	11/26/02*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	---	---	<10	<0.5	<0.5	<0.5	<0.5	---
	02/26/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	05/20/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	09/24/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	04/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	05/12/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	08/09/05†	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<0.5
	02/07/06	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
MW-12	08/15/02*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	---
	11/26/02*	<50	<50	<100	<0.3	<0.3	<0.5	<0.5	---	---	<10	<0.5	<0.5	<0.5	<0.5	---
	02/26/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	05/20/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	09/24/03*	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	04/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	05/12/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	08/09/05†	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/05	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	<0.5
	02/07/06	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
DW-3415	04/29/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	05/12/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	08/09/05†	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	11/21/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	02/07/06	<50	---	---	<1.0 ^g	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
DW-3455	04/29/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	08/09/05†	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	11/21/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	02/07/06	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---

Table 4. Analytical Results of Groundwater Samples

Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Date Sampled	TPH-G	TPH-D	TPH-MO	B	T	E	X	EDB	EDC	TBA	MTBE	DIPE	ETBE	TAME	TOG
ug/L																mg/L
DW-3450	05/06/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	05/12/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	8/9/05†	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	11/21/05 ^e	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	02/07/06	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
DW-3521	05/06/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	07/29/04	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	03/02/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<1.0	<1.0	<1.0	<1.0	---
	05/12/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	8/9/05†	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	11/21/05	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---
	02/07/06	<50	---	---	<1.0	<1.0	<1.0	<1.0	---	---	<25	<1.0	<1.0	<1.0	<1.0	---

Notes:

- * = Historical analytical data from other consultants.
- ** = According to the laboratory, the sample does not display a fuel pattern.
- a = The chromatogram does not exhibit a chromatographic pattern characteristic of diesel. Higher boiling point constituents of weathered gasoline are present.
- b = The laboratory's reportable detection limit was increased slightly due to limited sample volume.
- c = The following additional compound was detected: 1,2-dichloroethane (1.0 ug/L)
- d = The sample chromatogram exhibits a pattern that suggests both weathered gasoline and diesel are simultaneously present.
- e = The following additional compound was detected: 1,2-dichloroethane (0.38 ug/L)
- f = The following additional compound was detected: 1,2-dichloroethane (1.5 ug/L)
- g = The following additional compound was detected: Dichlorodifluoromethane (2.6 ug/L)
- = Not analyzed
- † = The ozone system was started-up on June 7, 2005.
- <50 = Analyte not detected at indicated detection limit.
- ND = Analyte not detected above detection limit.

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline
 TPH-D = Total petroleum hydrocarbons as diesel
 TPH-MO = Total petroleum hydrocarbons as motor oil
 B = Benzene
 T = Toluene
 E = Ethyl benzene
 X = Total xylenes
 EDB = 1,2-dibromoethane
 EDC = 1,2-dichloroethane

MTBE = Methyl tert-butyl ether
 TBA = Tert-butyl alcohol
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tert-butyl ether
 TAME = Tert-amyl methyl ether
 TOG = Total Oil & Grease
 mg/L = milligrams per liter
 ug/L = micrograms per liter

Analytical Methods:

418.1M = EPA Method for TOG
 5030/8015M = EPA Method for TPH-G
 3510/8015M = EPA Method for TPH-D & TPH-MO
 8260B = EPA Method for BTEX, oxygenates, and lead scavengers

Table 5. Additional Groundwater Analytical Results

Wiggins Property
3454 Santa Rosa Avenue, Santa Rosa, CA

Well ID	Sample Date	Acetone	Hexavalent Chromium (CR ⁺⁶)	Bromate (BrO ₃ ⁻)	Bromide (Br ⁻)	Molybdenum (Mo)	Selenium (Se)	Vanadium (V)
		ug/L	mg/L					
MW-5	05/12/05	<1.0	<0.005 ^a	<0.015 ^b	0.32	<0.05	<0.005	<0.05
	08/09/05†	<1.0	<0.005 ^a	<0.015 ^b	0.36	<0.05	<0.005	<0.05
	11/21/05	<1.0	<0.005 ^a	<0.015 ^b	0.44	<0.05	<0.005	<0.05
	02/07/06	<1.0	<0.005 ^a	<0.025 ^b	0.19	<0.05	<0.005	<0.05
MW-8	05/12/05	<1.0	<0.005 ^a	<0.015 ^b	0.14	<0.05	<0.005	<0.05
	08/09/05†	<1.0	<0.005 ^a	<0.015 ^b	0.086	<0.05	<0.005	<0.05
	11/21/05	<1.0	<0.005 ^a	<0.015 ^b	0.12	<0.05	<0.005	<0.05
	02/07/06	<1.0	<0.005 ^a	<0.01	0.088	<0.05	<0.005	<0.05
MW-9	05/12/05	<1.0	<0.005 ^a	<0.015 ^b	0.30	<0.05	<0.005	<0.05
	08/09/05†	<1.0	<0.005 ^a	<0.015 ^b	0.14	<0.05	<0.005	<0.05
	11/21/05	<1.0	<0.005 ^a	<0.015 ^b	0.10	<0.05	<0.005	<0.05
	02/07/06	<1.0	<0.005 ^a	<0.025 ^b	0.33	<0.05	<0.005	<0.05
MW-10	05/12/05	<10	<0.005 ^a	<0.015 ^b	0.41	<0.05	<0.005	<0.05
	08/09/05†	<20	<0.005 ^a	<0.015 ^b	0.56	<0.05	<0.005	<0.05
	11/21/05	<10	<0.005 ^a	<0.015 ^b	0.34	<0.05	<0.005	<0.05
	02/07/06	<2.5	<0.005 ^a	<0.025 ^b	0.22	<0.05	<0.005	<0.05
MW-11	05/12/05	<1.0	<0.005 ^a	<0.015 ^b	0.25	<0.05	<0.005	<0.05
	08/09/05†	<1.0	<0.005 ^a	<0.015 ^b	0.19	<0.05	<0.005	<0.05
	11/21/05	<1.0	<0.005 ^a	<0.015 ^b	0.19	<0.05	<0.005	<0.05
	02/07/06	<1.0	<0.005 ^a	<0.01	0.17	<0.05	<0.005	<0.05
MW-12	05/12/05	<1.0	<0.005 ^a	<0.015 ^b	0.24	<0.05	<0.005	<0.05
	08/09/05†	<1.0	<0.005 ^a	<0.015 ^b	0.33	<0.05	<0.005	<0.05
	11/21/05	<1.0	<0.005 ^a	<0.015 ^b	0.29	<0.05	<0.005	<0.05
	02/07/06	<1.0	<0.005 ^a	<0.025 ^b	0.15	<0.05	<0.005	<0.05

Notes:

--- = Not analyzed

a = The specific analysis for hexavalent chromium performed within 24 hours yielded a detection limit of 0.010 mg/L. Subsequent and separate analysis for total chromium using Zeeman graphite furnace (EPA 200.9) or ICP (EPA 6010) resulted in no detection of chromium at a detection limit well above 0.005 mg/L. Hexavalent chromium is not present at the level of 0.005 mg/L.

b = The sample required a dilution due to a sample matrix interference. The dilution resulted in a slight increase in the reported detection limit.

† = The ozone system was started-up on June 7, 2005.

Appendix A

Site-Specific Sampling Procedures

**Site-Specific Groundwater Sampling Procedures
Wiggins Property
3454 Santa Rosa Avenue
Santa Rosa, California
February 7, 2006**

1. Objective

Collect representative water level data and groundwater samples.

2. Background

Based on the analytical results of the previous sampling, field work proceeded from the monitoring wells in which the samples collected had the lowest concentrations of constituents to the wells that had the highest concentrations of constituents.

3. Personnel Required and Responsibilities

Winzler & Kelly Technicians: Pon Xayasaeng and Brian Bacciarini performed groundwater monitoring and sampling activities in accordance with the procedures outlined below.

4. Procedures

4a. Decontamination Procedures

- The wash and rinse buckets, the ES-60 purger pump, and the water level meter were decontaminated usingalconox soap and potable water.
- The pump and water level meter were decontaminated following use in each well.
- Nitrile gloves were worn by the sampler at all times and changed after handling equipment and instruments.

4b. Calibration Procedures

- The Ultrameter was calibrated for conductivity and pH. Temperature calibration is not necessary in the Ultrameter.
- Conductivity was calibrated using KCl-7000 standard solution within its expiration date.
- The calibration for pH included “zeroing” the Ultrameter with a pH 7 buffer solution followed by adjusting the gain with acid and base buffers (4.00 and 10.00).

4c. Groundwater Elevations

- All monitoring wells were opened and expandable caps removed.
- Each well was allowed to equilibrate to atmospheric pressure for at least 30 minutes.

- An electronic water level meter was used to measure the depth-to-groundwater in each monitoring well while the ozone system was operating.
- The depth, time, and visual observations regarding well access, condition, security, etc., were recorded on a Water Level Data Sheet.

4d. DO Concentrations

- The membrane on the YSI Model 55 DO meter was checked for the presence of bubbles and wrinkles, neither of which was observed.
- The meter was calibrated in the field prior to collecting measurements.
- Using the calibrated YSI Model 55 DO Meter, DO concentrations were measured in each monitoring well.

4e. Purging

- The volume of standing water in each monitoring well was calculated using the diameter of the well, the measured depth-to-water and the depth-to-bottom. The volume was recorded on the Well Sampling Data Sheet for each well.
- All wells were purged using an ES-60 purger pump attached to 40-feet of plastic tubing.
- Domestic wells were purged by running the tap closest to the well and until the well pump switched on.
- During purging of monitoring wells, the parameters of conductivity, pH, temperature, and oxidation-reduction potential were monitored using the Ultrameter at each well casing interval. Visual observations of color/odor/turbidity were also monitored.
- The time, readings, and visual comments were recorded on the Well Sampling Data Sheet.
- Each monitoring well was purged a minimum of three casing volumes, or until the indicator parameters stabilized.
- Purge and decontamination water was transferred to 55-gallon drums labeled and stored on site.

4f. Groundwater Sample Collection

- Groundwater samples were collected by lowering previously unused, disposable, polyethylene, bottom-filling bailers into the well.
- When completely full, the bailer was carefully retracted from the well casing.
- The water was transferred from the bailer to the appropriate certified clean sampling containers.
- Each VOA was immediately capped. The vial was checked for air bubbles by inverting and gently tapping. If any bubbles were visible, a new vial was filled and confirmed to be free of any air bubbles.
- All samples were labeled with the following information:

Sample ID	Date and Time Sample Collected
Location	Sampler's Initials
- Sample information was documented on a Chain-of-Custody form.
- All samples were placed in an ice chest chilled with ice.
- Upon completion of the sampling activities, each well was closed and secured by replacing the well cap and lock.

5. Equipment Used:

- Disposable gloves
- Potable water
- Alconox soap
- Containers to hold rinsate water
- Scrub Brushes
- Tools to open wells
- Keys to wells
- Water Level Data Form/pencil
- Well Sampling Data Sheet
- Groundwater Sampling Log form
- Water level meter
- YSI Model 55 DO meter
- 12-volt DC 1.5-inch electric submersible pump
- UltraMeter
- Containers to hold extracted water (as required)
- Disposable bailers (previously unused)
- Monofilament nylon line (50-lb test)
- Scissors
- Laboratory supplied sample containers (preserved, as required)
- Sample labels
- Ice chest
- Ice
- Labels/indelible marker
- Trash bags
- 55-gallon drums
- Ziploc bags

Appendix B

Analytical Laboratory Report



Report Date: February 17, 2006

Laboratory Report

Pon Xayasaeng
Winzler & Kelly Consulting Engineers
495 Tesconi Circle, Suite 9
Santa Rosa, CA 95401

Project Name: **Wiggins** **0259805001.32008**
Lab Project: **6020708**

This 25 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.

Laboratory Director



TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-01	DW-3450	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/07/06	QC Batch:	B000604
Date Received:	02/07/06	Method:	EPA 8015M		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-02	DW-3415	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000604
Date Received:	02/07/06	Method:	EPA 8015M		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-03	DW-3455	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000604
Date Received:	02/07/06	Method:	EPA 8015M		

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-04	DW-3521	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000604
Date Received:	02/07/06	Method:	EPA 8015M		



TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-05	MW-8	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000604
Date Received:	02/07/06	Method:	EPA 8015M	

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-06	MW-12	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000604
Date Received:	02/07/06	Method:	EPA 8015M	

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-07	MW-11	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000604
Date Received:	02/07/06	Method:	EPA 8015M	

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-08	MW-9	Gasoline	ND	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000604
Date Received:	02/07/06	Method:	EPA 8015M	



TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-09	MW-5	Gasoline	280	50

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000604
Date Received:	02/07/06	Method:	EPA 8015M	

TPH Gasoline in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-10	MW-10	Gasoline	7600	250

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000604
Date Received:	02/07/06	Method:	EPA 8015M	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-01	DW-3450	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane	20.0	100	70-130
Toluene-d8	20.1	100	70-130
4-Bromofluorobenzene	19.9	100	70-130

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000602
Date Received:	02/07/06	Method:	EPA 8260B	



Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-02	DW-3415	Benzene	ND (1)	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane		19.9	100	70-130
Toluene-d8		20.2	101	70-130
4-Bromofluorobenzene		20.5	102	70-130
Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000602
Date Received:	02/07/06	Method:	EPA 8260B	

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-03	DW-3455	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane		19.9	100	70-130
Toluene-d8		20.1	100	70-130
4-Bromofluorobenzene		20.0	100	70-130
Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000602
Date Received:	02/07/06	Method:	EPA 8260B	



Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)		
6020708-04	DW-3521	Benzene	ND	1.0		
		Toluene	ND	1.0		
		Ethylbenzene	ND	1.0		
		m,p-Xylene	ND	1.0		
		o-Xylene	ND	1.0		
		Tertiary Butyl Alcohol (TBA)	ND	25		
		Methyl tert-Butyl Ether (MTBE)	ND	1.0		
		Di-isopropyl Ether (DIPE)	ND	1.0		
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0		
		Tert-Amyl Methyl Ether (TAME)	ND	1.0		
		Acetone	ND	1.0		
		Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
		Dibromofluoromethane		20.2	101	70-130
Toluene-d8		20.2	101	70-130		
4-Bromofluorobenzene		20.1	100	70-130		

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000602
Date Received:	02/07/06	Method:	EPA 8260B		

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-05	MW-8	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0
Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)	
Dibromofluoromethane	20.0	100	70-130	
Toluene-d8	20.0	100	70-130	
4-Bromofluorobenzene	20.0	100	70-130	

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000602
Date Received:	02/07/06	Method:	EPA 8260B		



Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-06	MW-12	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane		20.0	100	70-130
Toluene-d8		20.2	101	70-130
4-Bromofluorobenzene		20.1	100	70-130

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000602
Date Received:	02/07/06	Method:	EPA 8260B		

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-07	MW-11	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane		20.3	102	70-130
Toluene-d8		20.2	101	70-130
4-Bromofluorobenzene		20.2	101	70-130

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000602
Date Received:	02/07/06	Method:	EPA 8260B		



Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-08	MW-9	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	ND	1.0
		m,p-Xylene	ND	1.0
		o-Xylene	ND	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
Dibromofluoromethane		19.8	99	70-130
Toluene-d8		20.1	100	70-130
4-Bromofluorobenzene		19.8	99	70-130

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000602
Date Received:	02/07/06	Method:	EPA 8260B		

Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-09	MW-5	Benzene	ND	1.0
		Toluene	ND	1.0
		Ethylbenzene	1.3	1.0
		m,p-Xylene	1.6	1.0
		o-Xylene	1.0	1.0
		Tertiary Butyl Alcohol (TBA)	ND	25
		Methyl tert-Butyl Ether (MTBE)	ND	1.0
		Di-isopropyl Ether (DIPE)	ND	1.0
		Ethyl tert-Butyl Ether (ETBE)	ND	1.0
		Tert-Amyl Methyl Ether (TAME)	ND	1.0
		Acetone	ND	1.0
Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)	
Dibromofluoromethane	20.0	100	70-130	
Toluene-d8	20.2	101	70-130	
4-Bromofluorobenzene	19.7	98	70-130	

Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch:	B000602
Date Received:	02/07/06	Method:	EPA 8260B		



Volatile Hydrocarbons by GC/MS in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)	
6020708-10	MW-10	Benzene	ND	2.5	NT
		Toluene	ND	2.5	
		Ethylbenzene	20	2.5	
		m,p-Xylene	71	2.5	
		o-Xylene	6.9	2.5	
		Tertiary Butyl Alcohol (TBA)	ND	62	
		Methyl tert-Butyl Ether (MTBE)	ND	2.5	
		Di-isopropyl Ether (DIPE)	ND	2.5	
		Ethyl tert-Butyl Ether (ETBE)	ND	2.5	
		Tert-Amyl Methyl Ether (TAME)	ND	2.5	
		Acetone	ND	2.5	
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)	
Dibromofluoromethane		19.7	98	70-130	
Toluene-d8		20.2	101	70-130	
4-Bromofluorobenzene		20.0	100	70-130	
Date Sampled:	02/07/06	Date Analyzed:	02/08/06	QC Batch: B000602	
Date Received:	02/07/06	Method:	EPA 8260B		

TPH Diesel & Motor Oil in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-05	MW-8	Diesel	ND	50
		Motor Oil	ND	200
Date Sampled: 02/07/06 Date Analyzed: 02/15/06 QC Batch: B000621				
Date Received: 02/07/06 Method: EPA 8015M				

TPH Diesel & Motor Oil in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-06	MW-12	Diesel	ND	50
		Motor Oil	ND	200
Date Sampled: 02/07/06 Date Analyzed: 02/15/06 QC Batch: B000621				
Date Received: 02/07/06 Method: EPA 8015M				



TPH Diesel & Motor Oil in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-07	MW-11	Diesel	ND	50
		Motor Oil	ND	200

Date Sampled:	02/07/06	Date Analyzed:	02/15/06	QC Batch: B000621
Date Received:	02/07/06	Method:	EPA 8015M	

TPH Diesel & Motor Oil in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-08	MW-9	Diesel	ND	50
		Motor Oil	ND	200

Date Sampled:	02/07/06	Date Analyzed:	02/15/06	QC Batch: B000621
Date Received:	02/07/06	Method:	EPA 8015M	

TPH Diesel & Motor Oil in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-09	MW-5	Diesel	ND	50
		Motor Oil	ND	200

Date Sampled:	02/07/06	Date Analyzed:	02/15/06	QC Batch: B000621
Date Received:	02/07/06	Method:	EPA 8015M	

TPH Diesel & Motor Oil in Water

Lab#	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
6020708-10	MW-10	Diesel	77000	500
		Motor Oil	ND	2000

Date Sampled:	02/07/06	Date Analyzed:	02/15/06	QC Batch: B000631
Date Received:	02/07/06	Method:	EPA 8015M	



Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-05	MW-8	Molybdenum (Mo)	ND	0.050
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.050

Date Sampled:	02/07/06	Date Analyzed:	02/13/06	QC Batch: B000573
Date Received:	02/07/06	Method:	EPA 6010B	

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-06	MW-12	Molybdenum (Mo)	ND	0.050
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.050

Date Sampled:	02/07/06	Date Analyzed:	02/13/06	QC Batch: B000573
Date Received:	02/07/06	Method:	EPA 6010B	

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-07	MW-11	Molybdenum (Mo)	ND	0.050
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.050

Date Sampled:	02/07/06	Date Analyzed:	02/13/06	QC Batch: B000573
Date Received:	02/07/06	Method:	EPA 6010B	



Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-08	MW-9	Molybdenum (Mo)	ND	0.050
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.050
Date Sampled: 02/07/06 Date Analyzed: 02/13/06 QC Batch: B000573				
Date Received: 02/07/06 Method: EPA 6010B				

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-09	MW-5	Molybdenum (Mo)	ND	0.050
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.050
Date Sampled: 02/07/06 Date Analyzed: 02/13/06 QC Batch: B000573				
Date Received: 02/07/06 Method: EPA 6010B				

Dissolved Metals in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-10	MW-10	Molybdenum (Mo)	ND	0.050
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.050
Date Sampled: 02/07/06 Date Analyzed: 02/13/06 QC Batch: B000573				
Date Received: 02/07/06 Method: EPA 6010B				

Bromate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-05	MW-8	Bromate	ND	0.010
Date Sampled: 02/07/06 Date Analyzed: 02/14/06 QC Batch: B000613				
Date Received: 02/07/06 Method: EPA 300				



Bromate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)		RDL (mg/L)
6020708-06	MW-12	Bromate	ND	M3	0.025

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch:	B000613
Date Received:	02/07/06	Method:	EPA 300		

Bromate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)		RDL (mg/L)
6020708-07	MW-11	Bromate	ND		0.010

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch:	B000613
Date Received:	02/07/06	Method:	EPA 300		

Bromate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)		RDL (mg/L)
6020708-08	MW-9	Bromate	ND	M3	0.025

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch:	B000613
Date Received:	02/07/06	Method:	EPA 300		

Bromate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)		RDL (mg/L)
6020708-09	MW-5	Bromate	ND	M3	0.025

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch:	B000613
Date Received:	02/07/06	Method:	EPA 300		



Bromate in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-10	MW-10	Bromate	ND M3	0.025

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch: B000613
Date Received:	02/07/06	Method:	EPA 300	

Bromide in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-05	MW-8	Bromide	0.088	0.020

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch: B000613
Date Received:	02/07/06	Method:	EPA 300.0	

Bromide in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-06	MW-12	Bromide	0.15	0.020

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch: B000613
Date Received:	02/07/06	Method:	EPA 300.0	

Bromide in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-07	MW-11	Bromide	0.17	0.020

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch: B000613
Date Received:	02/07/06	Method:	EPA 300.0	



Bromide in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-08	MW-9	Bromide	0.33	0.020

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch: B000613
Date Received:	02/07/06	Method:	EPA 300.0	

Bromide in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-09	MW-5	Bromide	0.19	0.020

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch: B000613
Date Received:	02/07/06	Method:	EPA 300.0	

Bromide in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-10	MW-10	Bromide	0.22	0.020

Date Sampled:	02/07/06	Date Analyzed:	02/14/06	QC Batch: B000613
Date Received:	02/07/06	Method:	EPA 300.0	

Hexavalent Chromium in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-05	MW-8	Hexavalent Chromium	ND (CL)	0.005

Date Sampled:	02/07/06	Date Analyzed:	02/07/06	QC Batch: B000603
Date Received:	02/07/06	Method:	EPA 7196A	



Hexavalent Chromium in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-06	MW-12	Hexavalent Chromium	ND (CL)	0.005

Date Sampled:	02/07/06	Date Analyzed:	02/07/06	QC Batch:	B000603
Date Received:	02/07/06	Method:	EPA 7196A		

Hexavalent Chromium in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-07	MW-11	Hexavalent Chromium	ND (CL)	0.005

Date Sampled:	02/07/06	Date Analyzed:	02/07/06	QC Batch:	B000603
Date Received:	02/07/06	Method:	EPA 7196A		

Hexavalent Chromium in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-08	MW-9	Hexavalent Chromium	ND (CL)	0.005

Date Sampled:	02/07/06	Date Analyzed:	02/07/06	QC Batch:	B000603
Date Received:	02/07/06	Method:	EPA 7196A		

Hexavalent Chromium in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-09	MW-5	Hexavalent Chromium	ND (CL)	0.005

Date Sampled:	02/07/06	Date Analyzed:	02/07/06	QC Batch:	B000603
Date Received:	02/07/06	Method:	EPA 7196A		



Hexavalent Chromium in Water

Lab#	Sample ID	Compound Name	Result (mg/L)	RDL (mg/L)
6020708-10	MW-10	Hexavalent Chromium	ND (CL)	0.005

Date Sampled:	02/07/06	Date Analyzed:	02/07/06	QC Batch: B000603
Date Received:	02/07/06	Method:	EPA 7196A	



Quality Assurance Report

TPH Gasoline in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B000604 - EPA 5030 GC

Blank (B000604-BLK1)

Prepared & Analyzed: 02/07/06

Gasoline	ND	50	ug/L
----------	----	----	------

Matrix Spike (B000604-MS1)

Source: 6020704-01

Prepared & Analyzed: 02/07/06

Benzene	10.7	0.50	ug/L	10.0	ND	107	70-130
Toluene	10.8	0.50	ug/L	10.0	ND	108	70-130
Ethylbenzene	10.7	0.50	ug/L	10.0	ND	107	70-130
Xylenes	31.1	1.5	ug/L	30.0	ND	104	70-130

Matrix Spike Dup (B000604-MSD1)

Source: 6020704-01

Prepared & Analyzed: 02/07/06

Benzene	10.6	0.50	ug/L	10.0	ND	106	70-130	0.9	20
Toluene	10.6	0.50	ug/L	10.0	ND	106	70-130	2	20
Ethylbenzene	10.5	0.50	ug/L	10.0	ND	105	70-130	2	20
Xylenes	31.6	1.5	ug/L	30.0	ND	105	70-130	1	20



Volatile Hydrocarbons by GC/MS in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000602 - EPA 5030 GC/MS										
Blank (B000602-BLK1)				Prepared: 02/07/06 Analyzed: 02/08/06						
Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
m,p-Xylene	ND	1.0	ug/L							
o-Xylene	ND	1.0	ug/L							
Tertiary Butyl Alcohol (TBA)	ND	25	ug/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	ug/L							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/L							
Acetone	ND	1.0	ug/L							
Surrogate: Dibromofluoromethane	20.4		ug/L	20.0		102	70-130			
Surrogate: Toluene-d8	20.0		ug/L	20.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	20.6		ug/L	20.0		103	70-130			
Matrix Spike (B000602-MS1)				Source: 6020708-02	Prepared: 02/07/06 Analyzed: 02/08/06					
1,1-Dichloroethene (1,1-DCE)	23.1	1.0	ug/L	25.0	ND	92	70-130			
Benzene	24.0	1.0	ug/L	25.0	ND	96	70-130			
Trichloroethene (TCE)	23.3	1.0	ug/L	25.0	ND	93	70-130			
Toluene	23.6	1.0	ug/L	25.0	ND	94	70-130			
Chlorobenzene	23.6	1.0	ug/L	25.0	ND	94	70-130			
Surrogate: Dibromofluoromethane	19.6		ug/L	20.0		98	70-130			
Surrogate: Toluene-d8	20.2		ug/L	20.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	20.4		ug/L	20.0		102	70-130			
Matrix Spike Dup (B000602-MSD1)				Source: 6020708-02	Prepared: 02/07/06 Analyzed: 02/08/06					
1,1-Dichloroethene (1,1-DCE)	23.5	1.0	ug/L	25.0	ND	94	70-130	2	20	
Benzene	24.6	1.0	ug/L	25.0	ND	98	70-130	2	20	
Trichloroethene (TCE)	23.7	1.0	ug/L	25.0	ND	95	70-130	2	20	
Toluene	23.8	1.0	ug/L	25.0	ND	95	70-130	1	20	
Chlorobenzene	24.0	1.0	ug/L	25.0	ND	96	70-130	2	20	
Surrogate: Dibromofluoromethane	20.0		ug/L	20.0		100	70-130			
Surrogate: Toluene-d8	20.2		ug/L	20.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	20.2		ug/L	20.0		101	70-130			



TPH Diesel & Motor Oil in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000621 - EPA 3510C										
Blank (B000621-BLK1)				Prepared & Analyzed: 02/13/06						
Diesel	ND	50	ug/L							
Motor Oil	ND	200	ug/L							
LCS (B000621-BS1)				Prepared & Analyzed: 02/13/06						
Diesel	2330	50	ug/L	2740		85	65-135			
LCS Dup (B000621-BSD1)				Prepared & Analyzed: 02/13/06						
Diesel	2310	50	ug/L	2740		84	65-135	1	30	
Batch B000631 - EPA 3510C										
Blank (B000631-BLK1)				Prepared & Analyzed: 02/15/06						
Diesel	ND	50	ug/L							
Motor Oil	ND	200	ug/L							
LCS (B000631-BS1)				Prepared & Analyzed: 02/15/06						
Diesel	2110	50	ug/L	1820		116	65-135			
LCS Dup (B000631-BSD1)				Prepared & Analyzed: 02/15/06						
Diesel	2230	50	ug/L	1820		123	65-135	6	30	



Dissolved Metals in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000573 - EPA 3010A										
Blank (B000573-BLK1)				Prepared: 01/31/06 Analyzed: 02/01/06						
Molybdenum (Mo)	ND	0.050	mg/L							
Vanadium (V)	ND	0.050	mg/L							
LCS (B000573-BS1)				Prepared: 01/31/06 Analyzed: 02/01/06						
Vanadium (V)	0.490	0.050	mg/L	0.500		98	70-130			
Molybdenum (Mo)	0.477	0.050	mg/L	0.500		95	70-130			
LCS Dup (B000573-BSD1)				Prepared: 01/31/06 Analyzed: 02/01/06						
Vanadium (V)	0.486	0.050	mg/L	0.500		97	70-130	1	20	
Molybdenum (Mo)	0.470	0.050	mg/L	0.500		94	70-130	1	20	



Bromate in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000613 - Default Prep GenChem										
Blank (B000613-BLK1)				Prepared: 02/09/06 Analyzed: 02/15/06						
Bromate	ND	0.005	mg/L							



Bromide in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000613 - Default Prep GenChem										
Blank (B000613-BLK1)				Prepared: 02/09/06 Analyzed: 02/15/06						
Bromide	ND	0.010	mg/L							



Hexavalent Chromium in Water

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B000603 - NO PREP										
Blank (B000603-BLK1)				Prepared & Analyzed: 02/07/06						
Hexavalent Chromium	ND	0.005	mg/L							
LCS (B000603-BS1)				Prepared & Analyzed: 02/07/06						
Hexavalent Chromium	0.974	0.005	mg/L	1.00		97	70-130			
LCS Dup (B000603-BSD1)				Prepared & Analyzed: 02/07/06						
Hexavalent Chromium	0.991	0.005	mg/L	1.00		99	70-130	2	20	



Notes and Definitions

NT	The sample required a dilution due to the presence of significant amounts of non-target compounds. The dilution resulted in an increase in the reported detection limits.
M3	The sample required a dilution due to a sample matrix interference. The dilution resulted in a slight increase in the reported detection limit.
(CL)	The specific analysis for hexavalent chromium performed within 24 hours yielded a detection limit of 0.010 mg/L. Separate analysis for total chromium using ICP (EPA 6010) resulted in no detection of chromium above 0.005 mg/L.
(1)	The following additional compound was detected: Dichlorodifluoromethane (2.6 ug/l).
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference



Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128
Fax (707) 769-8093

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 6020708

WINZLER & KELLY PROJECT NAME: Wiggins Property

WINZLER & KELLY PROJECT NUMBER: 025980500.32008

CLIENT INFORMATION

COMPANY NAME: WINZLER & KELLY CONSULTING ENGINEERS

ADDRESS: 495 TESCONI CIRCLE, SUITE 9

SANTA ROSA, CA 95401-4696

CONTACT: Pon

PHONE#: (707) 523-1010

FAX #: (707) 527-8679

TURNAROUND TIME (check one)

MOBILE LAB

SAME DAY

48 HOURS

5 DAYS

24 HOURS

72 HOURS

NORMAL

GEOTRACKER EDF: X Y N

GLOBAL ID: 10609700531

COOLER TEMPERATURE

Blue Ice

COC

PAGE 1 OF 1

ANALYSIS

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS	TPH DIESEL / MOTOR OIL	VOLATILE HYDROCARBONS	BTEX & OXYGENATES	OXYGENATED FUEL ADDITIVES	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS	TRPH / TOG	PESTICIDES / PCB'S	CAM 17 METALS / 5 LUFT METALS	*EPA 3193 Hex Chrome	EPA 300 Bromate	EPA 6010 Viscosity Bromide	COMMENTS	LAB SAMPLE #	
1	DW-3450	2/7/06	12:15	W	3	Y/N	X	X		X											* Add acetone to EPA 8260B	6020708
2	DW-3415		12:37																		SO EPA 8260B	-01
3	DW-3455		12:50																			-03
4	DW-3521		1300																		* Set Hex Chrome	-04
5	NW-8		11:15		7			X									X	X	X		Limit @ <5ug/L and Bromate @ <10ug/L	-05
6	NW-12		11:30																			-06
7	NW-11		11:40																			-07
8	NW-9		11:35																			-08
9	NW-5		11:45																			-09
10	NW-10		11:55																			-10

SIGNATURES

SAMPLED BY: Pon Kayaseng

RELINQUISHED BY: Pon Kayaseng

RECEIVED BY LABORATORY: [Signature]

DATE 2/7/06 TIME 1305

DATE 2/7/06 TIME 1305

Appendix C

GeoTracker Upload Verifications

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_REPORT FILE

YOUR DOCUMENT UPLOAD WAS SUCCESSFUL!

Facility Name: John's Auto Repair (former)
Global ID: T0609700531
Title: Annual Report Including 4th Quarter 2005
Document Type: Monitoring Report - Annual
Submittal Type: GEO_REPORT
Submittal Date/Time: 4/3/2006 9:55:55 AM
Confirmation Number: 4546864151

Click [here](#) to view the document.

[Back to Main Menu](#)

Logged in as WINZLER (AUTH_RP)

[CONTACT SITE ADMINISTRATOR.](#)

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 5153085231

Date/Time of Submittal: 1/17/2006 1:15:02 PM

Facility Global ID: T0609700531

Facility Name: John's Auto Repair (former)

Submittal Title: 4th Quarter 2005 EDF Report 5112107

Submittal Type: Additional Information Report

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title: 1st Quarter 2006, Well Measurement File, Wiggins
Property

Submittal Date/Time: 4/3/2006 10:45:14 AM

**Confirmation
Number:** 8136215031

[Back to Main Menu](#)

Logged in as WINZLER (AUTH_RP)

[CONTACT SITE ADMINISTRATOR.](#)

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 5428463876

Date/Time of Submittal: 4/27/2006 9:05:13 AM

Facility Global ID: T0609700531

Facility Name: John's Auto Repair (former)

Submittal Title: 1st Quarter 2006 EDF Report 6020708

Submittal Type: Additional Information Report